ABSTRACT

Equipment tire is one of the effective tools used to aid the process of filling in a motorcycle tire. Currently, tire tool in the workshop still use conventional tire.

This study aims to design a tire tool that can increase processing time filling the tire shop. Thus, the effectiveness and productivity of the work done will also increase.

The design begins with field observations and interviews to determine the demands and needs of consumers. Then, from the interviews, arrangement of design concepts, manufacturing equipment, testing equipment, design and analysis of results to determine the performance results of the design tool.

The results of the analysis lead to the conclusion that the instrument designed by electric tire can increase processing time filling. Increased processing time also affect the increased effectiveness, productivity, and profits tire business.

Keyword: Tire tool, research, performance, defeathering process